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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/914,602	08/30/2001	Zhan Cui	36-1463	7933
23117	7590	09/28/2004	EXAMINER	
NIXON & VANDERHYE, PC 1100 N GLEBE ROAD 8TH FLOOR ARLINGTON, VA 22201-4714			CHANG, SUNRAY	
			ART UNIT	PAPER NUMBER
			2121	

DATE MAILED: 09/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/914,602	CUI ET AL.
	Examiner Sunray Chang	Art Unit 2121

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### **Status**

1) Responsive to communication(s) filed on 30 August 2001.  
 2a) This action is FINAL.      2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### **Disposition of Claims**

4) Claim(s) 1-9 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-9 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### **Application Papers**

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 30 August 2001 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### **Priority under 35 U.S.C. § 119**

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### **Attachment(s)**

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>01022003</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

## DETAILED ACTION

1. Claims 1 – 9 are presented for examination.  
Claims 1 – 9 are rejected.
2. Preliminary amendment is received on Aug 30<sup>th</sup>, 2003

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. **Claims 1 – 9 are rejected** under 35 U.S.C. 102(e) as being anticipated by Kenneth W. Kisiel (U.S. Patent No. 6,327,586, and referred to as Kisiel hereinafter).

4. **Regarding independent claims 1 and 7**, Kisiel teaches,
  - Data visualization system [automated system] for use in storing [collecting data] and visualizing data [visualizing data] generated during use of one or more process management systems in managing process [variety of source]. [Col. 3, Lines 30 – 34]

- A request input for receiving a data visualization service request from a process management system. [Col. 4, Lines 10 – 12]
- A data input for receiving data inputs [extract] from the process management system research project]. [Col. 4, Lines 25 – 27]
- A service definitions store for storing [saved] a set of data visualization service definitions. [Col. 4, Lines 34 – 36]
- Data visualization service definitions define service requirements related to [extract relevant] a set of data visualization service identifiers. [Col. 4, Lines 25 – 27]
- Data visualization service definitions include identification of data input [specify items of interest] required for provision of data visualization services in each data visualization service identifiers [Personal Dictionary]. [Col. 8, Lines 13 – 18]
- Data visualization service request processing means for accessing [extract relevant] a service identifier in a received data visualization service request. [Col. 4, Lines 25 – 27]
- Service identifier processing means for selecting [extract relevant] a service definition from the service definition store [recorded] in accordance with an accessed service identifier. [Col. 4, Lines 25 – 28]
- A data input store for storing data inputs [requirements] from the process management system required for provision of a data visualization service associated with an accessed data visualization service identifier. [Col. 4, Lines 25 – 28]
- Means to associate [directs] data inputs received [information] from a process management system with the system. [Col. 4, Lines 25 – 28]

- Means to review [filters] the contents of data input store for entries [information] in respect of that process management system. [Col. 4, Lines 25 – 28]

5. **Regarding dependent claim 2**, Kisiel teaches,

- A visualization tool store stores a set of visualization tools [several valuable tools]. [Col. 5, Lines 28 – 33]

6. **Regarding dependent claim 3**, Kisiel teaches,

- One of the service definitions defines a data storage device [Personal Dictionary] in which data inputs of one or more types are stored in the data input store [Personal Dictionary]. [Col. 8, Lines 13 – 18]

7. **Regarding dependent claim 4**, Kisiel teaches,

- Mapping [compared, related] data inputs [information] identified by a first service [requirement phase] definition to data inputs [requirements] already stored in accordance with a second service definition [analysis phase]. [Col. 4, Lines 63 – 66]

8. **Regarding dependent claim 5**, Kisiel teaches,

- A visualization tool input for loading visualization tools [provides tools] to the visualization tool store, the store being provided with an index [category] of tools currently loaded. [Col. 13, Lines 24 – 31, and Fig. 33, 34]

9. **Regarding dependent claim 6**, Kisiel teaches,

- A data analysis [filter out relevant data] means. [Col. 4, Line 63]

10. **Regarding dependent claim 8**, Kisiel teaches,

- First service definition defines a data storage service [Personal Dictionary] and a second stored service definition identifies data inputs [items of interest] stored in accordance with the data storage service. [Col. 8, Lines 13 – 23]

11. **Regarding dependent claim 9**, Kisiel teaches,

- Loading one or more service definitions [relevant information] to the service definition store, subsequent to receiving data inputs [extract] from the process management system, [Col. 4, Lines 25 – 28]
- Subsequently loaded service definitions identifying [defined item of interest] at least one of said data inputs previously received. [Col. 8, Lines 38 – 40]

### **Conclusion**

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kisiel et al. (U.S. PG-Pub. No. 2002/0065856) discloses automate the management, a dictionary, a collection, a requirement, an analysis, and dissemination. Sharples et al. (U.S. Patent No. 6,240,450) discloses a data visualization system, visualization software tool, retrieving network data, receiving a request, downloading, and a monitoring system. Ma et al. (U.S. PG-Pub. No. 2002/0188618) discloses visualizing multidimensional data.

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sunray Chang whose telephone number is 703-305-8744 or after October 12, 2004 at (571) 272-3682. The examiner can normally be reached on M-F 7:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached on (703)308-3179 or after October 12, 2004 at (571) 272-3687. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-746-3506.

Sunray Chang  
Patent Examiner  
Group Art Unit 2121  
Technology Center 2100  
U.S. Patent and Trademark Office



Anthony Knight  
Supervisory Patent Examiner  
Group 3600

September 23, 2004